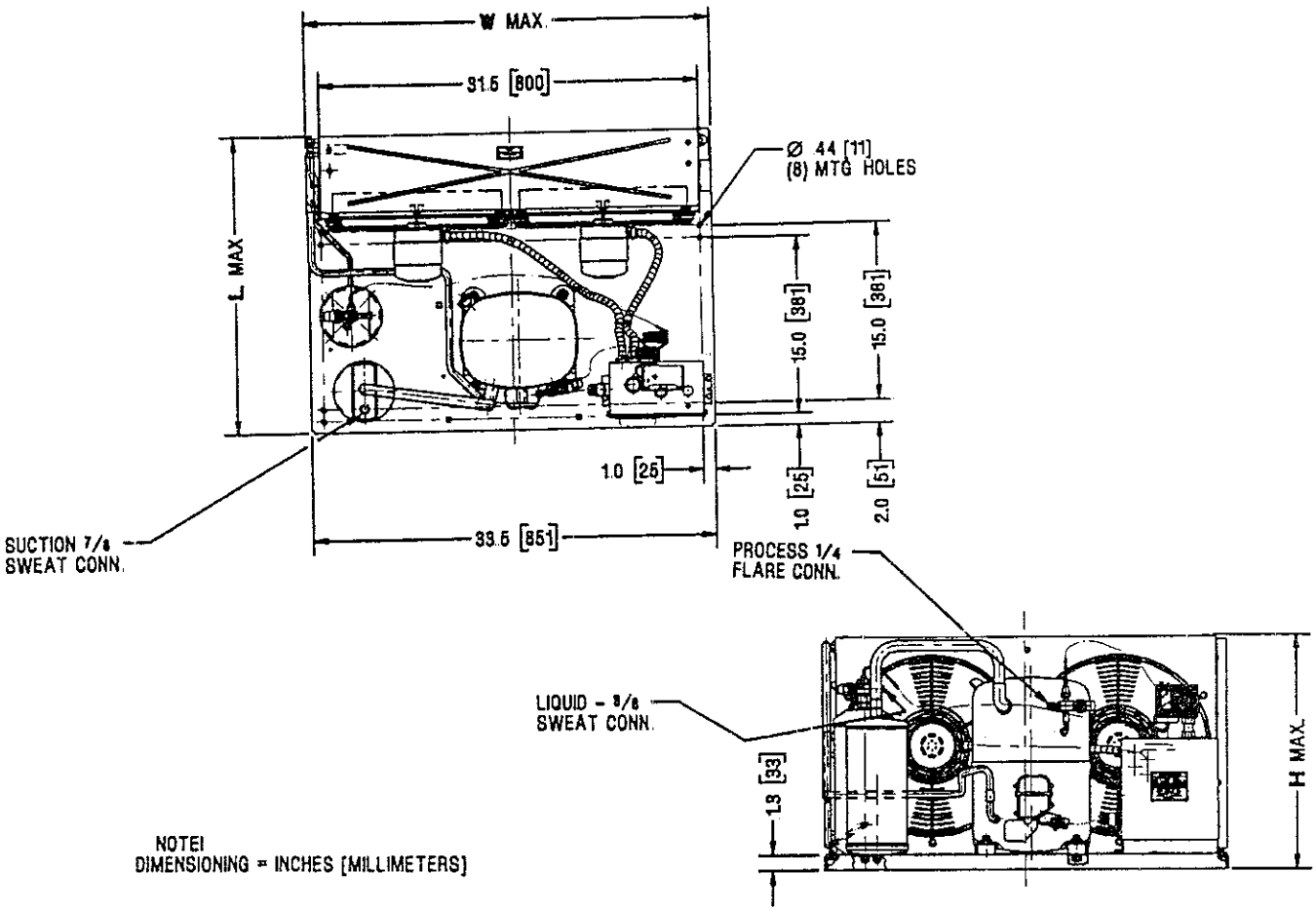
TECUMSEH HERMETIC
CONDENSING UNITS

Date: April 1, 1997

MODEL AVA4540EXTXM R22 3 HP AIR COOLED



NOTE!
DIMENSIONING = INCHES [MILLIMETERS]

Model	Dimensions				*Line Connections		Pumpdown 90°F 90% full	AIR (cfm)	Oil Charge (oz.)	Gross Wt. (lbs.)
	L	W	H	CH	Suction	Liquid				
AVA4540EXTXM	25.0	33.6	19.5	N/A	7/8 S	3/8 S	8.41#	1630	55	211

*F=Flare, S=Solder, RF or RS = Rotolock with Flare or Solder Connections
Factory Charge: 20 psig nitrogen - MUST BE EVACUATED

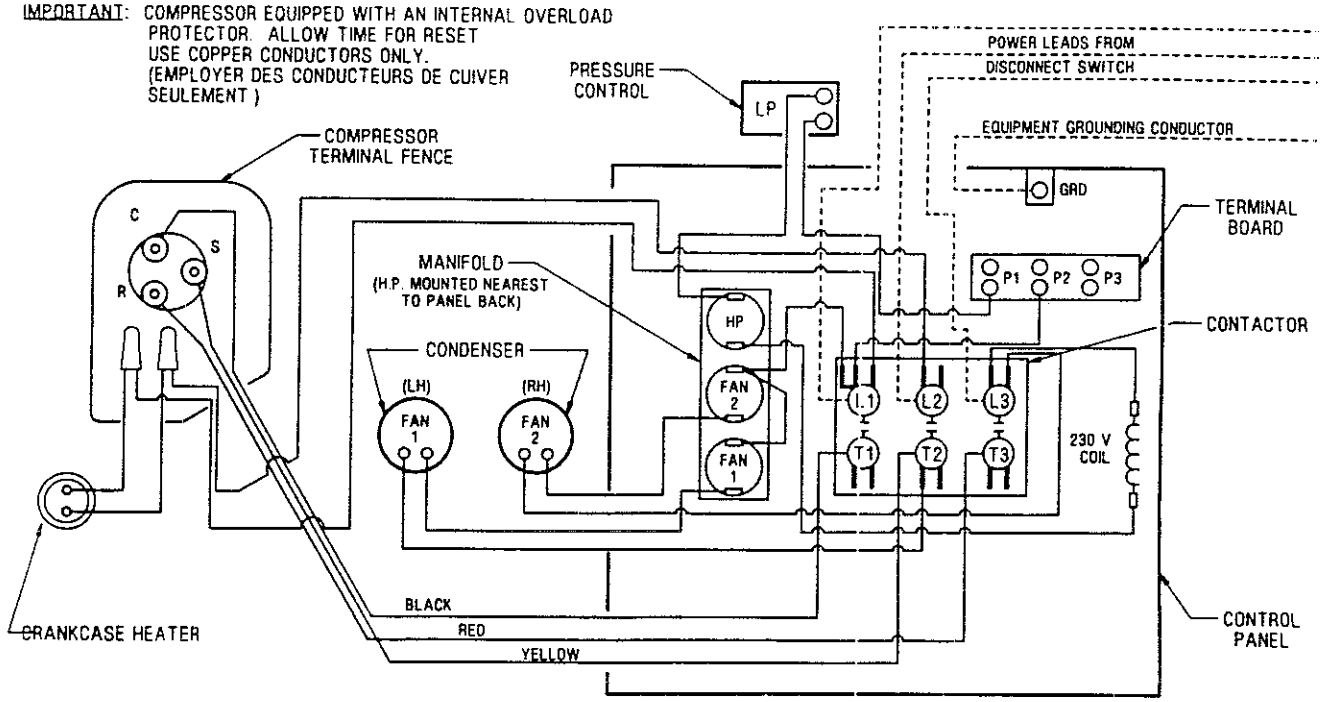
60 Hertz Performance

Approved Evap. Range		Ambient											
		80°F			90°F			100°F			110°F		
F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
+20	43.0	27028	3441	214	24548	3543	243	22376	3636	274	20218	3724	309
25	48.7	30086	3635	224	27485	3756	253	25079	3860	284	22710	3972	320
30	54.8	33213	3841	234	30479	3981	263	27830	4098	296	25248	4230	331
35	61.4	36408	4059	246	33531	4216	275	30628	4350	307	27830	4496	343
40	68.5	39673	4290	258	36641	4463	287	33473	4616	320	30458	4772	356
45	76.0	43006	4533	271	39809	4721	300	36366	4895	334	33131	5058	369
50	84.0	46408	4788	285	43035	4991	314	39306	5188	348	35849	5352	383
55	92.6	49879	5055	299	46319	5271	328	42294	5495	363	38613	5656	397

Based on 65°F Return Gas, 5°F Subcooling

Date: 4-1-97

SPECIFICATIONS	AVA4540EXTXM
Nominal Voltage	230/200-60-3
Unit B/M	2B3128-9
Voltage Range	253 to 180
Min. Circuit Ampacity	19.4
Max. Fuse Size (Amps)	30
Compressor Model	AVA5542EXT
Bill of Material	AV145RT-012
RLA/LRA	13.3/74.0
Fan RLA	1.40
ESP Overload	Internal
Fan Motor	TFM502
Pressure Controls	High 84076-2, Low 84026-5
Contactor	91015 (25 AMP 230V Coil)
Crankcase Heater	K31-9
Fan Controls (2 Req)	84077-4 (Fan #1), 84077-3 (Fan #2)
Control Panel Assy.	AC1390-1 (230V Coil)
Fan Blade (2 Req)	51556
Condenser Shroud	70648-2
Condenser	K42-17
Fan Guard (2 Req)	70831
Receiver Tank	51081-1
Rec. Tank RL Valve	31581 (3/8"S)
Process Valve	31583 (1/4")
Accumulator	TK00042000
Unit Drawing	SU1920-1
Schematic or Elect. Dwg.	91030



ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:

1 CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1, L2 & L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTOR ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR.
2 CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE NO. 14 AWG. TO CONTROL. (MIN. 125 VA.)
3 IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL

NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V. SOURCE IN PANEL AS SHOWN.
B. CONTROLS: LP = LOW PRESSURE CONTROL. HP = HIGH PRESSURE CONTROL.
FAN1 & FAN2 (ON MANIFOLD) = FAN#1 & FAN#2 CONTROLS.

CHG.	PART NO.
REL.	91030

U.L. Listed ---------- File #SA2372 ---------- Card Guide #SGYU
CSA Certified ---------- Canadian File #12964C ---------- USA File #8873C